

A NEW AMERICAN ASTONISHER; IT IS A PLAN TO CHANGE THE CLIMATE OF A QUARTER OF THE GLOBE.

BY HERBERT QUICK.

One of the most interesting, appealing, astonishing and revolutionary schemes ever laid before the world is back of a bill introduced in the lower house of congress by Rep. Calder of New York.

It is nothing less than a project which has for its object the changing of the climates of Greenland, Iceland, Great Britain and Ireland, Norway, Sweden and northwestern Russia, Finland, Lapland and, in fact, a great part of Europe.

The smile naturally follows the suggestion. Man cannot change climate. At least he never has.



HERBERT QUICK.

At least he never has. And to change all the climates of the north Atlantic shores—the thing is absurd. It transcends the power of any man. It might be within the power of a race of geni—but not for the genus homo!

And yet Col. George Goethals, builder of the Panama canal, says that "the subject warrants investigation," and that he hopes the real author of the scheme, Carroll L. Riker of Brooklyn, "will be successful in securing the passage of the bill."

Therefore, the matter is worth thinking about. Everybody knows about the gulf stream and its effects on the climate of western Europe. It is the mightiest river in the world—but it flows through the ocean and not across the land.

England is as far north as Labrador—but England is a great paradise most of the year, while Labrador is a frozen desert.

The Gulf stream is the reason—it is the greatest hot-water radiator in the universe. It flows out of the Gulf of Mexico, carrying the waters warmed by the heat of the equatorial sun and sets northeast parallel with the Atlantic coast of this country and strikes Newfoundland.

There it is shattered and stunned by the land and the shallows called the Grand Banks. It meets the cold waters coming down between Greenland and Labrador and mixes with them in these shallows where the cold water has to come to the surface to get over the ridge of sand, instead of flowing deep down as it does where it has the chance.

These are the difficulties met by the gulf stream. But, in spite of them, it spreads out like a great fan and warms all western Europe.

Mr. Riker proposes to make the drifting sand build a jetty 200 miles long and reaching from Newfoundland eastward to the Grand Banks. This jetty is intended to cut off the cold waters in their journey southward, bringing such icebergs as that which sank the Titanic—and to make them flow farther east, where the ocean is deeper. There they will creep along the bottom of the sea and not interfere with the gulf stream.

A branch of the gulf stream will then flow along the west coast of Greenland—so Mr. Riker says—and many times as much warm water will wash the shores of Iceland and the nations of Europe. In view of the fact that the Gulf stream carries 90 billion cubic yards of water per hour past Cape Florida, with a tempera-

ture of 75 degrees and that this water in cooling to 35 degrees would be able to melt 38 hundred square miles of ice, 10 feet thick per hour, it is perfectly certain that it is not doing half its possible work in making Ireland the Emerald Isle and causing the present difference between the weather of sunny Italy and stormy Cape Cod—great as these differences are.

Conceding the possibility of obstructing the drift of sand on the sea bottom and making it build its own jetty—which Mr. Riker contends for—and allowing the effects of it on the polar current and the gulf stream—as seem reasonable; and we have before us the biggest problem in terrestrial change ever offered for consideration. Do we dare to change the climates as proposed?

Iceland would welcome the change. She has no vested interests in frigid-ity. But what would Ireland say? Does she care for a warmer climate? Would the shamrock grow as green as now?

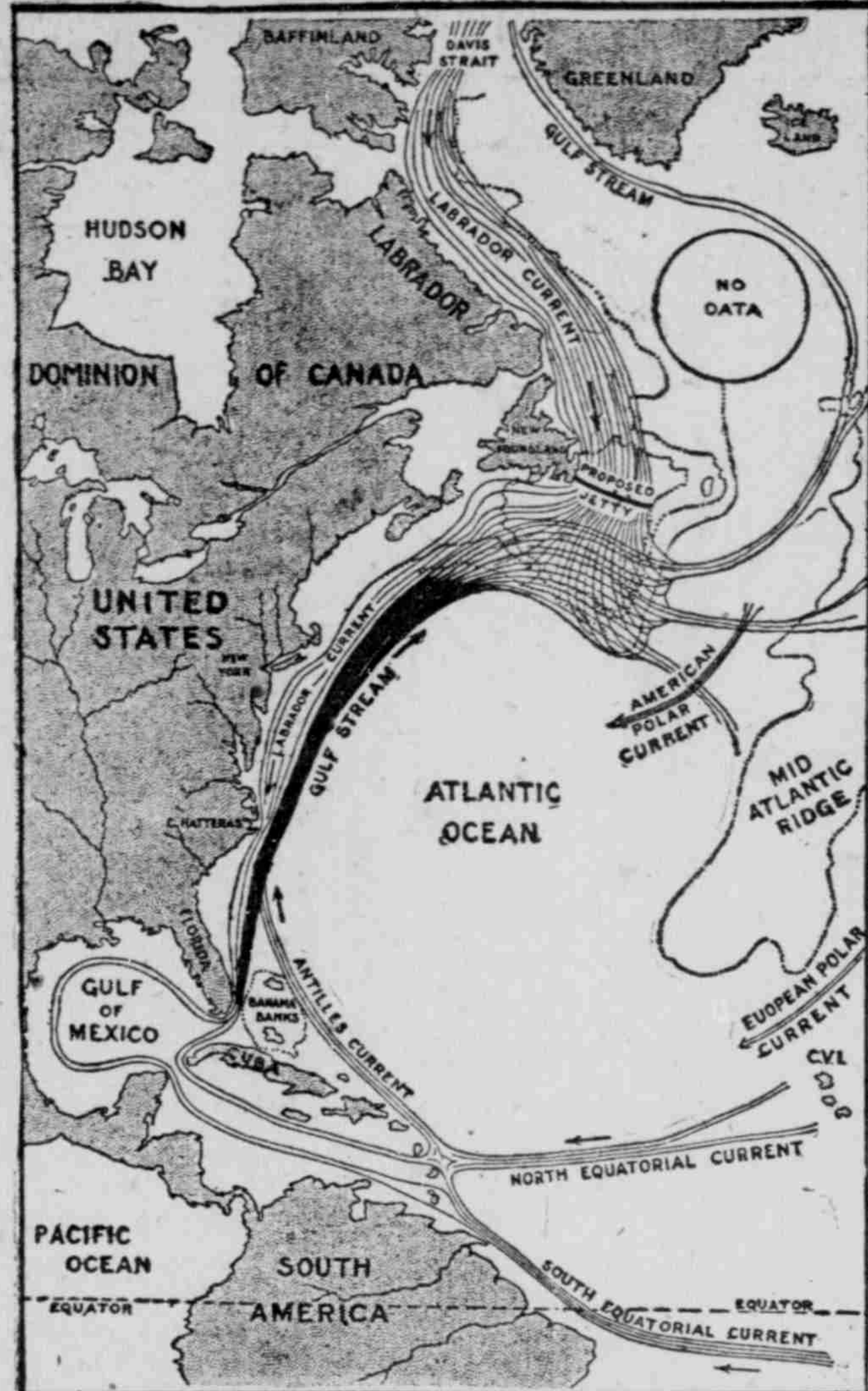
Would Scotland trade her dour weather for that of northern France? What would the poetry of the poetry of British weather? How would the readers of Dickens interpret his toll of the floating bodies on the Thames and the snowstorms that whitened Mr. Peggotty's coat?

But Norway and Sweden may be counted upon as favoring the Newfoundland jetty. They would gain by it, even though the ice trade with England were imperilled. And Russia—well, when one considers that Russia's greatest need is an ice-free port, that Archangel on the White sea is a fine harbor which would be brought into the circle of ice-free ports by Mr. Riker's jetty—if the scheme works—one may easily see what a huge international affair this harmless-looking house bill No. 28239 may become.

The bill, however, only provides for a commission to study the plans for the jetty and compute its probable effects; and the eminent men who ask for the passage of the bill have thereby only evinced an interest in the matter. They do not accept all Mr. Riker's views.

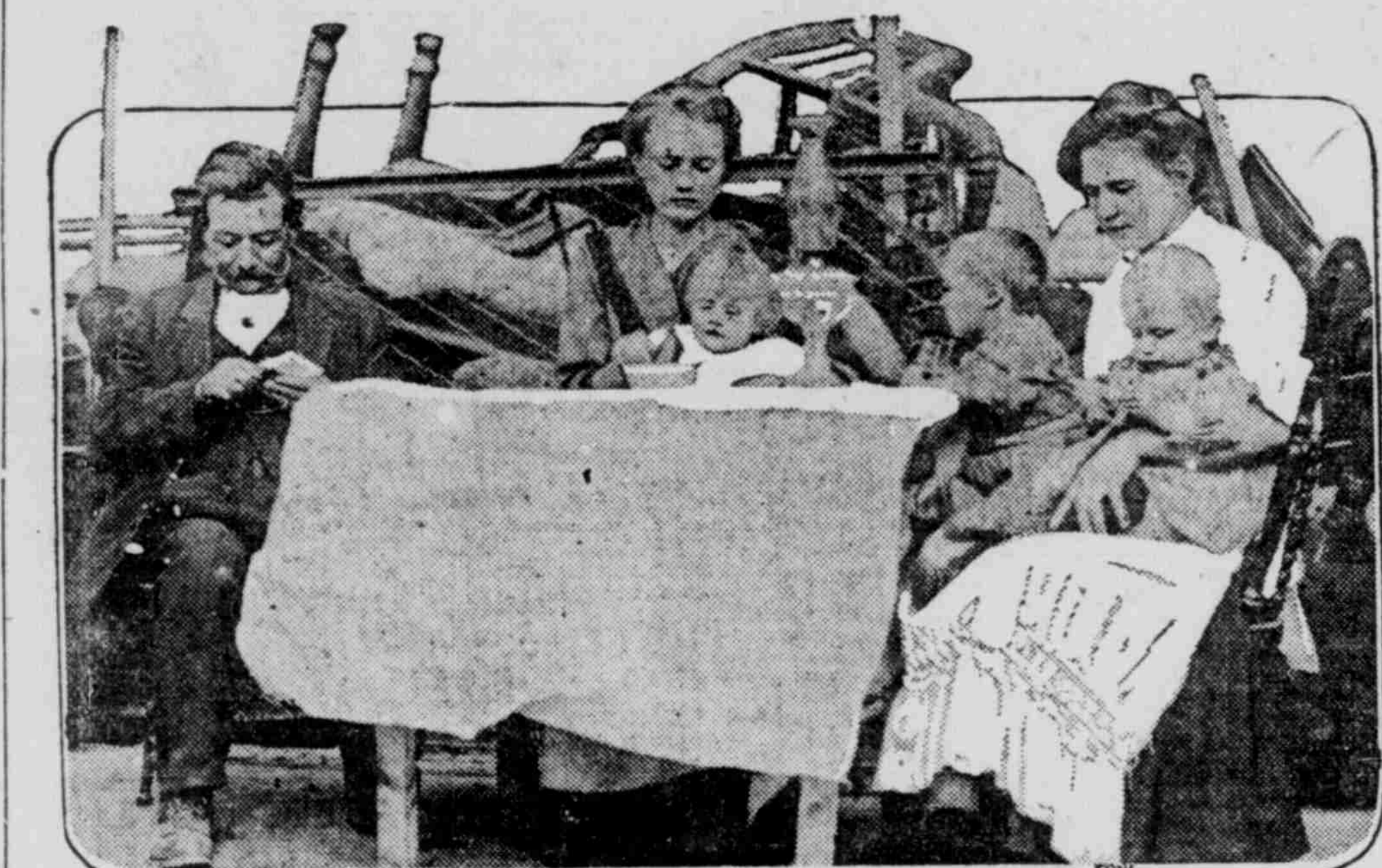
But there is no doubt that the minds of many sane and well-informed people are a good deal impressed by Mr. Riker and his claims.

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Showing the average present position and size of the gulf stream and its branches, also its rival, the Labrador current, whose attack upon it in the shoal waters of the Grand bank of Newfoundland, now almost neutralizes it, and showing the location of the proposed jetty.

MILL OWNERS FORCE STRIKERS TO LIVE IN STREETS IN EFFORT TO MAKE THEM SUBMIT TO TERMS.



Millworkers in Ipswich, Mass., who are on strike, are now being evicted from their homes and forced to take up their residence on the public streets. The homes are the property of the mill owners and they believe they can make the strikers return to their places by taking the roofs from over their families. Here is shown a striker and his family, consisting of a wife and four children, eating their breakfast on the sidewalk. Behind them is piled their household goods. So far over 100 families have been evicted.

GRAVE ABUSES ARE REPORTED

COLUMBUS, O., July 21.—Grave and almost unbelievable abuses involving the school lands in Ohio are being reported now by the Ohio school survey. The survey has taken the case of one county as an instance and proceeds to show just what is being done in that county regarding lands originally set apart for schools and still generally supposed to be used for school purposes. For example the treasurer and the clerk in one of the townships have recently

built upon school lands but have made no effort to pay any rent. The mayor of a village also has built upon a part of the school ground and pays no rent. The treasurer of another township has collected no rents since 1907 and is still holding the funds collected at that time instead of making the proper distribution of the funds to the various school boards. In the same county the auditor was very dense in his understanding of the law governing school lands and is not making the appointments of trustees which he is supposed to make when trustees are not elected. Therefore many of the trusteeships are vacant. It is found also that parcels of the lands have repeatedly changed hands and the present occupants claim to have clear titles although the land has never been sold by the trustees to any purchasers. There are 64 persons occupying the lands in one of the townships at present and all of

them claim ownerships but when confronted with the facts, they all have admitted that they are merely taking a chance at becoming the ultimate owners. They explain that since no collections for rent have been made for many years they had come to believe that the whole school land proposition had been dropped.

HERE'S FINE PLACE TO LIVE.

INDIANAPOLIS, July 21.—A pathetic letter to Gov. Ralston from a woman at Knox, Ind., has resulted in the town being without a lockup. The woman complained of the insanitary condition of the calaboose and said her son was made ill while serving a term for drunkenness. Gov. Ralston turned the letter over to Dr. Hurty who at once communicated with Dr. W. C. Schweier, health officer at Knox. A reply came that the lockup had been condemned and will not be used for that purpose again.

JAMES PATRON SAINT OF SPAIN

Legend Says He Killed 60,000 Moors at Battle of Clavijo—Saint's Days for Week.

The following are the saints' days for the coming week: Monday, July 21, Praxides, virgin, second century; Victor of Marseilles, martyr, beginning of fourth century; Arbogastus, bishop of Strasburg, 678. Tuesday, 22, Mary Magdalen, first century. Wednesday, 23, Apollinaris, bishop of Ravenna, martyr, first century; Bridget of Sweden, Thursday, 24, Christina, virgin and martyr, beginning of fourth century; Francis Solano, 16th century. Friday, 25, James the Great, the apostle; Thea and Valentina, virgins, martyrs, 308. Saturday, 26, Anne, mother of the Virgin Mary; Germanus, bishop of Auxerre, 448.

The 25th of July is dedicated to St. James the Great, the patron saint of Spain. At the battle of Clavijo, fought in 841, between Ramiro, king of Leon, and the Moors, it is stated that when the day was going hard against the Christians St. James appeared on the field in his own proper person, armed with a sword of dazzling splendor and mounted on a white horse; having housings of scarlet shins. He slew 60,000 of the Moorish infidels, thereby gaining the day for Spain and Christianity.

The great Spanish order of knighthood, Santiago de Espada—St. James of the Sword—was founded in commemoration of this event. The city of Compostella in Galicia became the chief seat of the order of St. James from the legend of his body having been discovered there. The badge of the order is a bloodstained sword in the form of a cross, charged, as heralds term it, with a white scallop shell. The motto is "Rubeat ensis sanguine Arabum"—"Red is the sword with the blood of the Moors."

Coming down from ancient times there has been in many nations a belief that various saints could be relied upon in time of need for efficient service in battle. The English went into battle with cries for St. George, the French called upon St. Martin and St. Denis and the Spanish appealed for victory to St. James. The Hebrews called on Jehovah and the Mohammedans invoked Allah and their prophet Mahomet for victory. The historian, Gibbon, observes that "a stupendous metamorphosis was performed in the ninth century, when, from a peaceful fisherman of the lake of Genesareth, the Apostle James was transfigured into a valorous knight who charged at the head of Spanish chivalry in battles against the Moors."

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BAR TEARS THROUGH MAN

Dropped From High Bridge it Passed From Shoulder to Groin.

NASHVILLE, Tenn., July 21.—A heavy crowbar dropped from a high bridge in course of construction near Monterey, Tenn., fell upon W. S. White, a bridgeman, who was working on the ground below. The point of the iron entered his body at the shoulder and tore its way through to the groin. White suffered excruciatingly until he died.

HORSE COMMITS SUICIDE. WASHINGTON, Ind., July 21.—A valuable horse belonging to Edward

Carlin committed suicide by breaking its neck. Carlin had tied the horse to a tree with a long rope. It began running around the tree. Carlin was powerless to stop the horse and when the end of the rope was reached it broke its neck.

BIG SUM LEFT TO SCHOOLS

TERRE HAUTE, Ind., July 21.—James McGregor, whose body was found in the Wabash river a few days ago after he had wandered from home during a spell of sickness, left \$400,000 to schools and charity, according to his will which was probated here. A fund of \$100,000 is to be held in trust, "the income to be used in aiding worthy young men and women in acquiring a higher education than the public schools afford."



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